

## MSG 091 - RED FD07 EARTH OBS

MET's are the estimated time of your orbit track intersects the target area.

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RED AND BLUE

MET 05/18:26 GULF OF KHAMBHAT - BOMBAY, INDIA. On this descending pass your track is along the coast of the Kathiawar Peninsula. As you cross the entrance to the Gulf of Khambhat, you will approach India's mega-port city of Bombay, just right of track. Document the north and eastward spread of this densely populated area. CVIS. Near Vertical. Digital Camera 180mm. Atlas pages 18, 19.

MET 05/18:29 MADRAS, INDIA. After transecting the southern portion of the Deccan Plateau you will approach the Bay of Bengal from the northwest. You will have a near-nadir pass over this coastal city of over six million. Document the extent of dense urban development as well as coastal flood control structures. CVIS. Near Vertical. Digital Camera 180mm. Atlas page 19.

MET 05/19:47 GULF OF SIRTE, COAST OF LIBYA. With a strong frontal system forecast to be approaching the central Mediterranean, after you track south of Sicily, try for oblique views to the right of track to detect dust plumes, borne on strong southerly winds, moving out of Libya over the water. CVIS. Oblique. Hasselblad 110mm. Atlas pages 15, 16.

MET 05/19:51 ALEXANDRIA - CAIRO, EGYPT. You will approach the coast of Egypt from the west-northwest. Document the coastal development of the historic port city of Alexandria and continue inland noting the spread of metropolitan Cairo as it has recently grown westward across the Nile River. CVIS. Near Vertical. Digital Camera 180mm. Atlas pages 16, 17.

MET 05/19:52 SINAI PENINSULA, EGYPT. The geology contrasting with geometry of the Red Sea waters around this large, rugged peninsula makes for numerous spectacular photo opportunities, from the human activity of Suez Canal to the reefs of the Gulf of Aqaba. Pick your best view. CVIS. Near Vertical. Oblique. Hasselblad 110mm. Atlas pages 16, 17.

MET 05/21:28 KHARTOUM, SUDAN. This pass offers a near-nadir view of the Sudanese capital, situated at the confluence of the White and Blue Nile Rivers. CVIS. Near Vertical. Digital Camera 180mm. Atlas page 16.

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MET 05/21:33 SOMALI COAST. We are attempting to detect and track the vegetative changes noted along the Somali Coast during the last El Nino event when heavy rainfall resulted in a dramatic greenup there. Try for either nadir views or obliques either side of track. CVIS. Near Vertical. Oblique. Hasselblad 110mm. Atlas page 18.

MET 05/22:59 LAKE CHAD REGION, NIGERIA-NIGER-CHAD. Recent detailed imagery from Increment 6 suggest the continued refilling of this once nearly dry lake. Your pass is well to the southwest of the lake, but try for oblique, regional context views to the left of track, to document any greenup of the whole region around the lake. CVIS. Oblique. Hasselblad 110mm. Atlas page 15.

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1 MET 06/00:25 WEST AFRICAN DUST PLUMES. Both surface reports and satellite  
2 imagery continue to indicate significant dust moving westward over the Atlantic off  
3 the coasts of Mauritania and Senegal. As you approach this target region from the  
4 northwest, try for oblique views to the right of track, particularly noting the edges of  
5 the plume over water and any landmarks you can detect. CVIS. Oblique.  
6 Hasselblad 110mm. Atlas page 14.  
7

8 MET 06/00:30 JET STREAM CLOUDS, WESTERN AFRICA. Satellite imagery indicates a  
9 persistent pattern of spectacular jet stream clouds originating in the Atlantic Ocean  
10 off the coast of Sierra Leone and Liberia, that tracks northeastward for hundreds of  
11 miles. As you cross this dynamic cloud formation try for oblique views either side of  
12 track. CVIS. Oblique. Hasselblad 110mm. Atlas page 14.  
13

14 MET 06/03:12 HIGH SIERRAS - LAKE TAHOE. A break in the weather should provide  
15 either good oblique views of the High Sierra snowpack or near-nadir views of Lake  
16 Tahoe surrounded by snow. CVIS. Near Vertical. Oblique. Digital Camera 180mm.  
17 Atlas page 2.  
18

19 MET 06/03:16 FRONT RANGE PANORAMA. With a fresh outbreak of Arctic air over the  
20 Southern Great Plains, visibilities should be excellent along the Front Range of the  
21 Rockies. Use oblique views either side of track to document the extent of the  
22 snowpack there. CVIS. Oblique. Hasselblad 110mm. Atlas page 2.  
23

24 MET 06/04:48 MOHAVE DESERT. Fair weather and good viewing is expected to hold from  
25 near Edwards Air Force Base through southwestern Arizona (north of Yuma), and on  
26 into northern Mexico. Try for a three-minute mapping pass of this highly variable  
27 landscape. CVIS. Near Vertical. Digital Camera 180mm. Atlas page 2.  
28

29 MET 06/04:53 RIO GRANDE RIVER - FALCON RESERVOIR, TEXAS. Your pass nearly  
30 parallels the Rio Grande River in far south Texas where drought conditions have  
31 persisted for over a decade now. Try to document the continuity of this nearly dry  
32 river as well as the water levels of reservoirs on or near it. CVIS. Near Vertical.  
33 Digital Camera 400mm. Atlas pages 2, 11.  
34

35 MET 06/04:55 YUCATAN PENINSULA, MEXICO. Your track bisects this feature from  
36 northwest to southeast. Try for mapping strip from just coast of the Gulf of Mexico to  
37 the Barrier Reef in the Gulf of Honduras. CVIS. Near Vertical. Digital Camera  
38 180mm. Atlas page 12.  
39

40 MET 06/05:02 RIO NEGRO - AMAZON CONFLUENCE, BRAZIL. You have rare weather  
41 conditions this pass to map the heavily braided channel of the Rio Negro with its dark  
42 waters and note its confluence with the turbid Amazon. The gradual mixing of these  
43 waters extends for hundreds of kilometers. CVIS. Near Vertical. Hasselblad  
44 250mm. Atlas pages 33, 34.  
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46 RED AND BLUE  
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48 MET 06/09:24 HAWAIIAN ISLANDS. You have an excellent pass along the length of this  
49 island chain with the larger islands to the left of track. The south end of big island of  
50 the big island of Hawaii will be nearly nadir. CVIS. Near Vertical. Oblique. Digital  
51 Camera 180mm. Atlas page 24.

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